

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME United Elchem Industries, Inc.		EMERGENCY TELEPHONE NO. 214/ 241-6601
ADDRESS (Number, Street, City, State, and ZIP Code) 11535 Reeder Road, Dallas, TX 75229		
CHEMICAL NAME AND SYNONYMS Solvent		TRADE NAME AND SYNONYMS Uni-Weld 2200
CHEMICAL FAMILY Not applicable	FORMULA Not applicable	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Methyl Ethyl Ketone				9	200 ppm
Tetrahydrofuran				9	200 ppm
Cyclohexanone				5	50 ppm

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) (= End Point)	155°F / 169°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	.822
VAPOR PRESSURE (mm Hg.) @ 20°C	69.8	PERCENT VOLATILE BY VOLUME (%)	89
VAPOR DENSITY (AIR=1)	3.1	EVAPORATION RATE (=1)	Long
SOLUBILITY IN WATER	appreciable		
APPEARANCE AND ODOR	Clear, Water-white	ODOR: Ketone	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) -26°C / -14°F (TCC)	FLAMMABLE LIMITS in air (% by vol)	Lel	Uel
EXTINGUISHING MEDIA	1.9		
NFPA Class B extinguishers (CO <sub>2</sub> or foam) for class 1 B liquid fires.			
SPECIAL FIRE FIGHTING PROCEDURES			
Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use for nozzles if water is used. Use air-supplied breathing masks.			
UNUSUAL FIRE AND EXPLOSION HAZARDS			
EXTREMELY FLAMMABLE!! Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 200 ppm (evaporated blend)

## EFFECTS OF OVEREXPOSURE

See Attachment #1

## EMERGENCY AND FIRST AID PROCEDURES

See Attachment #2

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Isolate from heat, sparks, electric equipment and open flame,
	STABLE	XXXX	

## INCOMPATIBILITY (Materials to avoid)

Isolate from strong oxidizers such as permanganate.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide from burning.

HAZARDOUS -- POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR		

## SECTION VII - SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.

Isolate from oxidizers, heat, sparks, electric equipment and open flame.

Mop up and dispose of.

## WASTE DISPOSAL METHOD

Recycle or incinerate observing local, state and Federal health, safety and pollution laws.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

## RESPIRATORY PROTECTION (Specify type)

NONE

## VENTILATION

## LOCAL EXHAUST

Preferable

## SPECIAL

NONE

## MECHANICAL (General)

Acceptable

## OTHER

NONE

## PROTECTIVE GLOVES

Not recommended (Must not dissolve in solvents)

## EYE PROTECTION

Goggles required

## OTHER PROTECTIVE EQUIPMENT

NONE

## SECTION IX - SPECIAL PRECAUTIONS

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

See Attachment #3

## OTHER PRECAUTIONS

United Elchem Industries, Inc.  
11535 Reeder Road  
Dallas, TX 75229

ATTACHMENTS: MATERIAL SAFETY DATA SHEET

1. EFFECTS OF ACUTE OVEREXPOSURE:

Inhaling: Anesthetic. Irritates respiratory tract. May cause serious nervous system depression.

Skin or eye contact: Primary irritation.

POISON !!

EFFECTS OF SWALLOWING AND CHRONIC OVEREXPOSURE:

Liquid causes eye irritation. Liquid may cause skin irritation. Vapor harmful. Vapors may cause flash fire. Tends to form explosive peroxides especially when anhydrous.

2. EMERGENCY AND FIRST AID PROCEDURES:

In case of contact with skin, flush with plenty of water. For eyes, flush with plenty of water for 15 minutes and get medical attention.

If exposed to high concentration of vapor, remove to fresh air. If swallowed, CALL A PHYSICIAN IMMEDIATELY! Induce vomiting promptly according to physician's instructions or by having patient stick finger down throat. Never give anything by mouth to an unconscious person.

3. SPECIAL PROTECTIONS:

Vapors may ignite explosively. Vapors may spread long distances. Prevent build-up of vapors. Extinguish all pilot lights and turn off other sources of ignition during use and until all vapors are gone. Do not store above 49° C / 120° F. Store large amounts in structures made for OSHA class 1B liquids. Avoid free fall of liquid. Ground containers when pouring. Do not flame cut, saw, braze or weld. Empty container hazardous! Continue all label precautions.

Legal responsibility is assumed only for the fact that all studies reported here and all opinions are those of qualified experts. Buyer assumes all risk and liability. He accepts and uses this material on these conditions.